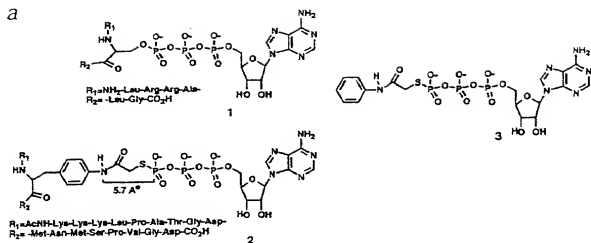
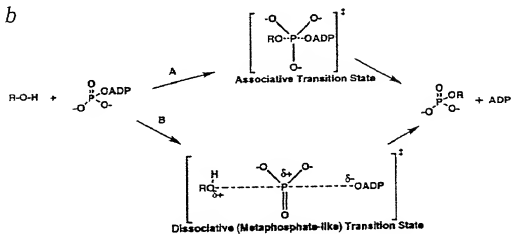


a



b



c

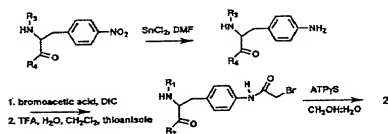


FIG. 1

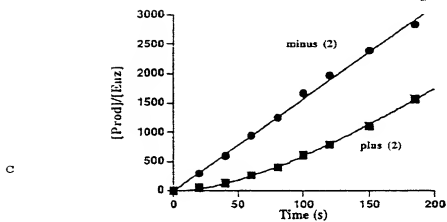
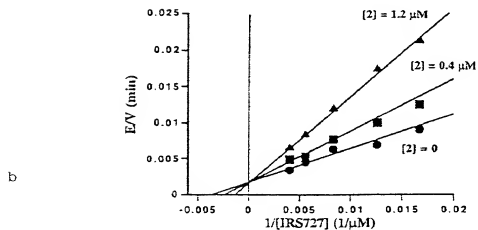
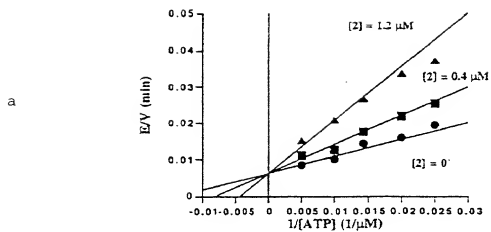
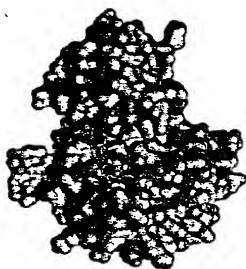
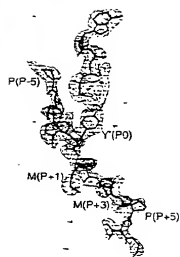
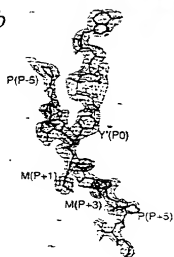


FIG. 2

a



b



c

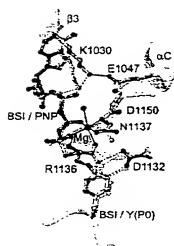
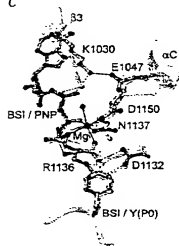
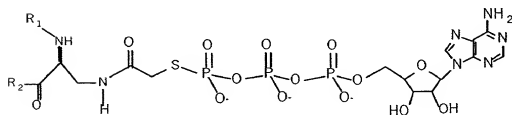
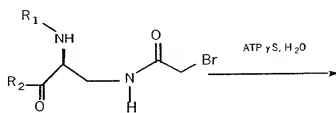
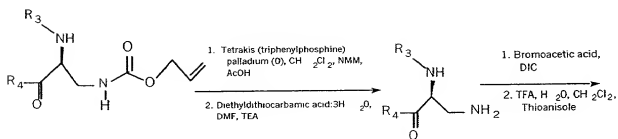
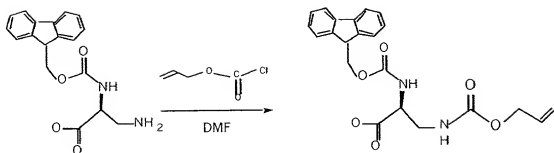


FIG. 3

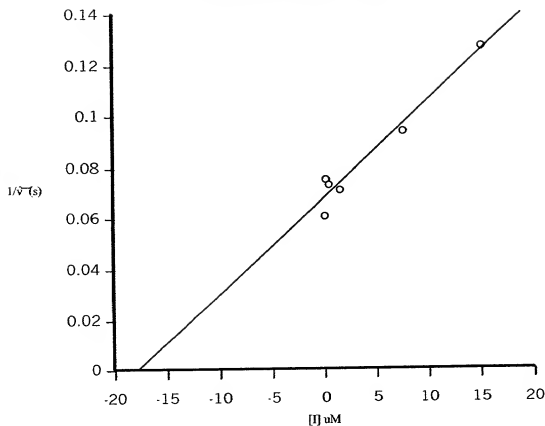


Compound 4

R_1 = AcNH-Leu-Arg-Arg-Ala-
 R_2 = -Leu-Gly-COOH
 R_3 = R_1 with Arg protecting groups
 R_4 = R_2 with Gly linked to Wang resin

FIG. 4

Kemptide Inhibitor Assay



Inhibition assay for protein kinase A.

Final concentrations for reaction components : ATP = 15 uM,

kemptide = 25 uM, Mg²⁺ = 10mM, Tris-HCl = 40 mM,

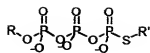
bovine serum albumin (from enzyme mix) 150 ug/mL.

All reactions were carried out at pH 7.5 and with a

final enzyme concentration of 0.35 nM

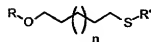
for 2 minutes at 30 degrees Celsius.

FIG. 5

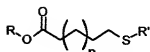


R'=CH₂CO-peptide or peptidomimetic

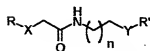
R=adenosine or nucleoside analog



n=0-6

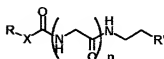


n=0-6



n=0-6

X=O, NH, S, CH₂
Y=O, NH, S, CH₂



X=O, NH, S, CH₂

n=0-6



n=0-6

FIG. 6